

LA CROSSE[®] TECHNOLOGY

Radio Controlled Projection Alarm Clock with Indoor and Outdoor Temperature Reference : WT552 | Quick Setup Guide

The Radio Controlled Projection Alarm Clock features radio-controlled time accuracy, indoor and outdoor temperature on a stylish, colorful and easy-to-read display. Time and/or outdoor temperature can be projected on a wall or ceiling. Use the integrated USB charging port to charge your smartphone, camera or other device when the Projection Alarm Clock operates on A/C power.



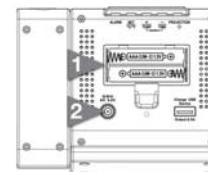
SETUP INSTRUCTIONS STEP BY STEP

STEP 1:

- Insert the 5 volt A/C power adapter into the designated area (2) on the back of the Projection Alarm Clock.
- Insert the power adapter plug into a wall outlet for a continuous backlight.
- **IMPORTANT:** When operating on A/C power, to avoid interference, the backlight, projection and USB charge port, will turn off while the Projection Alarm Clock searches for the DCF signal. The backlight, projection and USB charge port will function again after the 2-10 minutes search.

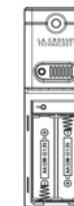
STEP 2:

- Remove battery cover from Projection Alarm Clock, slide tab up and pull out to remove the cover (1).
- Insert 2 New AAA batteries (not included) into the back of the Projection Alarm Clock. Observe the correct polarity (see marking inside the battery compartment).
- Do NOT mix old and new batteries.
- The Projection Alarm Clock will light up and display, indoor temperature and time (12:00).



STEP 3:

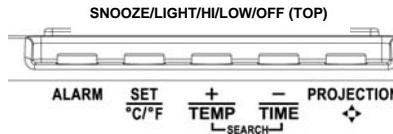
- Ensure that the transmitter is within 3 meters (10 ft.) of the Projection Alarm Clock.
 - Remove battery cover from transmitter: Slide the battery cover down and lift off the front.
 - Insert 2 new AA batteries (not included) into the transmitter. Observe the correct polarity.
 - Within 3 minutes, the Projection Alarm Clock will show readings in the Outdoor temperature area on the LCD.
- Note:** Use Alkaline batteries (or Lithium for temperatures below -28.8°C (-20°F)).



TROUBLESHOOTING

- If the Projection Alarm Clock does not display the outdoor temperature after 3 minutes, remove the A/C power adapter and all batteries from both units and start the setup process again.
 - If the outdoor temperature does not show up after a second attempt, please slide open the battery cover of the outdoor transmitter to reveal the TX button push down on the TX button for 3 seconds to send a wireless signal to the Projection Alarm Clock.
 - Hold the +TEMP button and the Projection Alarm Clock will search for the transmitter.
 - For optimal 433 MHz reception, the outdoor transmitter should be placed within 90 meters (300 ft.) from the Projection Alarm Clock (see **positioning outdoor transmitter**).
- Note:** Use Alkaline batteries (or Lithium for temperatures below -28.8°C (-20°F)).

PROGRAM MENU



The SET/°C/F button will move through the program menu. The +/TEMP or -/TIME buttons will change a value.

- **TIME ZONE:** 0H will flash. Press and release the +/TEMP or -/TIME button to set the desired time zone (setting range is 0+12, 0-12). Confirm with the SET/°C/F button and move to the next item.
- **LANGUAGE:** FR will flash. Press and release the +/TEMP or -/TIME button to select the desire language: GE, IT, NE, ES, DA, EN. Confirm with the SET/°C/F button and move to the next item.
- **12/24 HOUR TIME:** 12H or 24Hr will flash. Press and release the +/TEMP or -/TIME button to select 12Hr or 24Hr. Confirm with the SET/°C/F button and move to the next item.
- **HOUR:** The hour will flash. Press and release the +/TEMP or -/TIME button to select the correct hour. Confirm with the SET/°C/F button and move to the next item.
- **MINUTES:** The minutes will flash. Press and release the +/TEMP or -/TIME button to select the correct minutes. Confirm with the SET/°C/F button and move to the next item.
- **YEAR:** The year will flash. Press and release the +/TEMP or -/TIME button to select the correct year. Confirm with the SET/°C/F button and move to the next item.
- **MONTH:** The month will flash. Press and release the +/TEMP or -/TIME button to select the correct month. Confirm with the SET/°C/F button and move to the next item.
- **DATE:** The date will flash. Press and release the +/TEMP or -/TIME button to select the correct date. Confirm with the SET/°C/F button and exit the program menu.
- **Note:** The Day of the Week will SET automatically after the year, month and date are set.
- If no buttons are pressed in a 20 seconds period, set mode will time out and return to live display mode, reflecting whatever adjustments were made by user before timed out.

FAHRENHEIT/CELSIUS: Press and release the SET/°C/F button to select temperature readings in Fahrenheit or Celsius.

ALARM SET

- **ALARM HOUR:** Hold the ALARM button to enter alarm time setting mode. The Alarm Hour will flash. Use the +/TEMP or -/TIME button to set the Hour. Press and release the ALARM button.
- **ALARM MINUTES:** The Alarm Minutes will flash. Use the +/TEMP or -/TIME button to Set the Minutes. Press and release ALARM to confirm the alarm settings, then press and release SET button to exit.

ALARM ACTIVATION: ALARM ICON

- Press and release the ALARM button once to show Alarm Time.
- With the Alarm time showing, press and release the ALARM button to activate the alarm. The alarm icon  appears when alarm is activated.

- With the Alarm time showing, press and release the ALARM button to deactivate the alarm. The alarm icon will disappear when alarm is deactivated.
- **Note:** Alarm is crescendo sound. When the alarm sounds, it continues for 2 minutes and then shuts off completely.

SNOOZE:

- When the alarm sounds, press the SNOOZE button to trigger snooze alarm for 9 minutes. The snooze icon  will flash when the snooze feature is active.
- To stop alarm for one day, press ALARM button, while in snooze mode. The alarm icon  will remain solid.

BACKLIGHT AND PROJECTION INTENSITY

- ★ **A/C Power:** the backlight is displayed constantly unless turned off.

Press and release the SNOOZE/LIGHT button to adjust the brightness of the backlight and projection (together):

- **ON High Intensity:** The backlight and projection are defaulted to HI when the Adapter is in use.
- **ON Low Intensity:** Press and release SNOOZE/LIGHT button once
- **OFF:** Press and hold for 2 seconds SNOOZE/LIGHT button
- **ON:** Press and hold for 2 seconds SNOOZE/LIGHT button

Note: When the Adapter is NOT in use, the High/Low/On/Off features are not available.

- ★ **Battery Power:** Press the SNOOZE/LIGHT button to display the backlight and projection for 10 seconds.

PROJECTION

Battery Power: Press and release the SNOOZE/LIGHT button to show the projection for 10 seconds.

Note: Projection will not display constantly when operating on battery power.

- ★ **A/C Power:** Projection is displayed constantly unless turned off.
- **Note:** can be turned off see "Backlight and Projection Intensity"

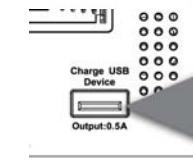
- **Rotate Projection:** Press and release the PROJECTION button to rotate the projection image 90 degrees. Press and release the PROJECTION button again to rotate another 90 degrees.

- **Change Projection Mode:** Hold, then release the PROJECTION button to switch projection modes. Watch the projection image to view the changes.
 - **Time and Outdoor Temperature:** alternate every 5 seconds (default)
 - **Time:** Hold and release PROJECTION button
 - **Outdoor Temperature:** Hold and release PROJECT button again

USB CHARGE PORT

The integrated USB charging port (on back) will charge your smart phone, camera or other devices when the Projection Alarm Clock is plugged into a power outlet with the included 5V A/C adapter.

Note: This is a power-output charging port. The charging port does not supply power to the Projection Alarm Clock.



Begin charging your external device by connecting the device's USB charging cable (not included) to the USB charging port on the back of the Projection Alarm Clock. Charging times will vary.

Note: Some USB cables are for data transfer only and cannot be used for charging. Make sure that the USB cable you use will charge your device. Most USB cables included with mobile devices will work for charging.

- **USB Power Output:** 0.5A maximum current
- **Do NOT** over load USB port. Charge 0.5A devices or less only

IMPORTANT: When operating on A/C power, the backlight, projection and USB charging port will turn off while the Projection Alarm Clock searches for the DCF signal, to avoid interference. The backlight and projection will return after the 2-10 minutes search (which occurs during the late night or early morning hours). The USB charging port will then resume working.

DCF RADIO CONTROLLED TIME

The time base for the radio controlled time is a Cesium Atomic Clock operated by the Physikalisch Technische Bundesanstalt Braunschweig which has a time deviation of less than one second in one million years. The time is coded and transmitted from Mainflingen near Frankfurt via frequency signal DCF-77 (77.5 kHz) and has a transmitting range of approximately 1,500 km. Your radio-controlled Weather Station receives this signal and converts it to show the precise time in summer or wintertime. The quality of the reception depends greatly on the geographic location. In normal cases, there should be no reception problems within a 1,500km radius around Frankfurt.

 **DCF RECEPTION ICON** with full signal strength will appear on screen if the reception of DCF signal is successful. If the unit received DST (summer time) signal, it will display DST icon.

- The tower icon is solid when the Projection Alarm Clock has received the DCF signal.
- The tower icon will flash when searching for a signal.
- No tower icon displayed. The Projection Alarm Clock was unable to receive a signal at this time.
- Reposition the Projection Alarm Clock for better signal reception or try again at bedtime.
- Hold the -/TIME button to force a signal search at night when reception is best.
- The Projection Alarm Clock will start searching at GMT: 01:00 and if no reception on the first attempt it will try again at 02:00, 03:00, 04:00 and 05:00. Each attempt will be at least 2 minutes and the most will be 10 min. If there is no signal or too much interference the receiver will only be on for 2 minutes.
- If the signal is good, it may catch a signal in ABOUT 2-3 minutes. If the signal is marginal it will try to catch a signal for up to 10 minutes.
- **IMPORTANT:** When operating on A/C power, to avoid interference, the backlight, projection and USB charge port, will turn off while the Projection Alarm Clock searches for the DCF signal. The backlight, projection and USB charge port will function again after the 2-10 minute search which occurs during the late night or early morning hours.

Note: In case the Radio Controlled Projection Alarm Clock is not able to detect the DCF signal (disturbances, transmitting distance, etc.); the time can be manually set.

Note: In normal display mode, press -/TIME button to ON/OFF time searching (DCF).

TEMPERATURE TRENDS

The indoor and outdoor temperature trend indicators are updated every 30 minutes. These trends represent temperature changes over the past three hours.

- Temperature rising more than 2°F /1°C in the past three hours
- Temperature has **not changed** more than 2°F /1°C in the past three hours
- Temperature falling more than 2°F /1°C in the past three hours

The temperature trend indicators are shown next to the indoor temperature and outdoor temperature readings.

LOW BATTERY INDICATORS

- When this icon  appears in the indoor (IN) reading section, replace the batteries in the Projection Alarm Clock.
- When this icon  appears in the outdoor (OUT) readings section, replace the batteries in the outdoor transmitter.

CARE AND MAINTENANCE

- **Do Not Mix Old and New Batteries**
- **Do Not Mix Alkaline, Standard, Lithium or Rechargeable Batteries**
- Do not expose the Projection Alarm Clock to extreme temperatures, vibration or shock.
- Keep Projection Alarm Clock dry.
- Clean the Projection Alarm Clock with a soft damp cloth. Do not use solvents or scouring agents.
- Improper use or unauthorized opening of housing will void the warranty.
- If the Projection Alarm Clock does not work properly, change the batteries and/or check the a/c cord connection.

POSITIONING OUTDOOR TRANSMITTER

Once the Projection Alarm Clock shows the outdoor temperature, place it and the transmitter in the desired locations and wait approximately 1 hour before permanently mounting the transmitter to ensure that there is proper reception. The transmitter should be mounted vertically, in a shaded, protected area, at least 2 meters (6 ft.) from the ground to avoid damage and ensure accurate readings. The transmitter is water resistant, not waterproof and should not be placed anywhere it will become submerged in water or subject to standing water or snow.

Choose a location for the transmitter that is within range of the Projection Alarm Clock and under an overhang for accuracy. Wireless transmitting range in open air is over 200 feet (60 meters) from outdoor transmitter to Projection Alarm Clock.

Option 1:

- Install one mounting screw (not included) into a wall leaving approximately 12.7mm extended.
- Place the transmitter onto the screw, using the hanging hole on the backside.
- Gently pull the transmitter down to lock the screw into place.



Option 2:

- Insert the mounting screw (not included) through the front of the transmitter and into the wall.
- Tighten the screw to snug (do not over tighten).

To achieve a true average temperature reading, mount where direct sunlight cannot reach the outdoor transmitter. Mount the outdoor transmitter on a North-facing wall or in any well shaded area. Under an eave or deck rail work well. The maximum transmitting range in open air is over 90 meters (300 ft.). Obstacles such as walls, windows, stucco, concrete, and large metal objects can reduce the range. Place the transmitter at least 2 meters (6 ft.) in the air to improve signal transmission.

SPECIFICATIONS

Indoor:

Temperature Range: From 0°C to 50°C (+32°F to +122°F)
Accuracy: +/- 1°C (2°F)
Resolution: 0.1°C
Interval: About every 30 seconds

Outdoor:

Temperature Range: From -40°C to 60°C (-40°F to 140°F)
Alkaline Batteries: From -28.8°C to 60°C (-20°F to 140°F)
Lithium Batteries: From -40°C to 60°C (-40°F to 140°F)
Accuracy: +/- 1°C (2°F)
Resolution: 0.1°C
Distance: Over 90 meters (300 ft.) in open field
Frequency 433MHz
Interval: About every 30 seconds

Power:

Projection Alarm Clock: 5-volt A/C power adapter (included)
Optional 2-AAA, IEC, LR3 batteries (not included)
Transmitter: 2-AA, IEC, LR6 batteries (not included)

Battery Life:

Over 12 months

USB Output:

0.5 Amp maximum current

Dimensions:

Projection Alarm Clock: 133 x 50 x 110 mm (5.23" L x 1.96" W x 4.33" H)
Transmitter: 40 x 20 x 130 mm (1.57" L x 0.79" W x 5.12" H)

LIABILITY DISCLAIMERS

- The electrical and electronic wastes contain hazardous substances. Disposal of electronic waste in wild country and/or in unauthorized grounds strongly damages the environment.

- Please contact your local or/and regional authorities to retrieve the addresses of legal dumping grounds with selective collection.
- All electronic instruments must from now on be recycled. User shall take an active part in the reuse, recycling and recovery of the electrical and electronic waste.
- The unrestricted disposal of electronic waste may do harm on public health and the quality of environment.
- As stated on the gift box and labeled on the product, reading the "User manual" is highly recommended for the benefit of the user. This product must however not be thrown in general rubbish collection points.
- The manufacturer and supplier cannot accept any responsibility for any incorrect readings and any consequences that occur should an inaccurate reading take place.
- This product is designed for use in the home only as indication of the temperature.
- This product is not to be used for medical purposes or for public information.
- The specifications of this product may change without prior notice.
- This product is not a toy. Keep out of the reach of children.
- No part of this manual may be reproduced without written authorization of the manufacturer.



R&TTE Directive 1999/5/EC:

Summary of the Declaration of Conformity : We hereby declare that this wireless transmission device does comply with the essential requirements of R&TTE Directive 1999/5/EC.